**US Army Corps
of Engineers**
Huntsville Center

Environmental Program

**Program Manager
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Background

To support the Department of Defense commitment to environmental stewardship, Huntsville Center has a wide range of capabilities. Professionals at Huntsville Center have years of regulatory interface and negotiation experience. Recognized technical expertise in hydrogeology, toxicology, chemistry, environmental and civil engineering provide an effective tool to achieve stakeholder buy-in for an optimized process of environmental response at DoD sites. Dedicated managers and a responsive contracting team support the technically driven processes used by Huntsville Center to minimize customer burdens. Huntsville Center has managed environmental investigations at hundreds of DoD sites, at large active facilities, formerly owned or used properties, government-owned contractor-operated (GOCO) locations, training areas, maintenance areas, storage areas and spill sites. Huntsville Center has produced Remedial Design, Time-Critical and Non-Time-Critical Design and Interim Action Design Documentation for many DoD Superfund and Corrective Action sites.

The environmental program has expanded to meet today's environmental needs such as Environmental Management Systems (ISO 14001), stormwater management plans, spill prevention plans and baseline risk assessments. Huntsville Center provides project design and environmental services focusing on investigations and remediations at DoD Superfund level CERCLA (Comprehensive Environmental Response, Compensation and Liability Act), Resource Conservation and Recovery Act (RCRA) and Base Realignment and Closure (BRAC) sites. Huntsville Center has supported the Defense Logistics Agency (DLA) and Army Materiel Command (AMC) at large facilities around the country, and now provides environmental services for DLA's Defense National Stockpile Center, Defe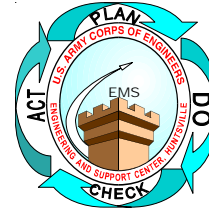nse Supply Center Columbus, Defense Distribution Center and Defense Energy Supply Center and the Marine Corps. Huntsville Center also provides environmental services to Corps districts, such as the New York and Sacramento Districts. Huntsville Center acts as central manager, executing CERCLA/RCRA phases; performing Environmental Baseline Studies (EBS), Environmental Compliance Assessments Surveys (ECAS); establishing Environmental Management Systems (EMS) conformance and training; and managing programmatic integration of site data; schedules and budgets; environmental documentations; environmental permits; and small removal/remedial actions.

This is an example of environmental investigative work that is typically conducted through Huntsville Center's environmental programs contracts.

Process

When a DoD component has a need for environmental engineering services, a multiphase process toward Environmental Protection Agency (EPA) regulatory compliance begins. The first phase is a *Preliminary Assessment* (PA). This phase determines whether evidence exists indicating environmental contamination might be present at the site.

If the PA indicates the need, a *Site Investigation* (SI) is performed. The SI identifies all locations on the site with potential for containing contaminants. If site conditions warrant further study, a *Remedial Investigation* (RI) is performed. In that phase the extent, types and progress of contaminants are studied in detail. Following the RI, a *Feasibility Study* (FS) is performed to determine viable technical solutions for a given location on the site. Once stakeholder concurrence is reached, a Record of Decision (ROD) is prepared to document a clean-up decision. Selection of the best technical approach is followed by the *Remedial Design* (RD) phase, where engineers develop a remediation system and plan. After the design is approved, the *Remedial Action Construction* (RAC) phase begins, generally under management of the local Corps district. Huntsville Center provides oversight of remedial actions. In projects such as the application of groundwater treatment systems, the RAC phase can extend through operations and maintenance until the location is no longer considered hazardous. The final phase is *Long-Term Monitoring.* During this phase, the location is periodically reexamined to determine progress toward normalization. Huntsville Center has expanded its environmental mission to include EMS services to DoD agencies for compliance with EO 13148 and EO 13423. Huntsville Center can provide implementation support with training, internal audits, web and database development and other technical support as needed by the customer. Support can be provided by either in-house or contractor expertise. Huntsville Center has contracts with CH2M Hill, MACTEC, the Parsons Corporation and Bhate Associates who are all experienced in Environmental Engineering. Huntsville Center also has six ISO 14001 trained auditors who can provide internal audits. Huntsville Center also provides support for a multilevel environmental data storage and retrieval system, and is integrating this system with Geographic Information System (GIS) techniques to produce an Internet-accessible project information technical repository. The Center also performs remediation pilot studies, baseline risk assessments for ordnance, preconstruction baseline studies and asbestos abatement surveys.

Future Pursuits

The Environmental Program is currently pursuing new work with the Department of Homeland Security and the Army Central Command.

Customers

Huntsville Center's environmental mission provides support to clients from New York to California. The center has provided services to the following DoD sites:

Former Defense Depot, Memphis, Tenn.
Defense Supply Center, Richmond, Va.
Defense Supply Center, Columbus, Ohio
Defense Depot, Susquehanna, Pa.
Defense Distribution Depot, San Joaquin, Calif.
Seneca Army Depot, N.Y.
Defense Personnel Support Center, Pa.
30 Defense National Stockpile Center
   (DNSC) sites nationwide

DLA Headquarters, Fort Belvoir, Va.
Camp Pendleton Marine Corps Base, Calif.
Marine Corps Mountain Warfare Training
   Center, Calif.
Former Fort Ord, Calif.
Fort Hunter Ligget, Calif.
Presidio of Monterey, Calif.
Raven Rock Mountain Complex